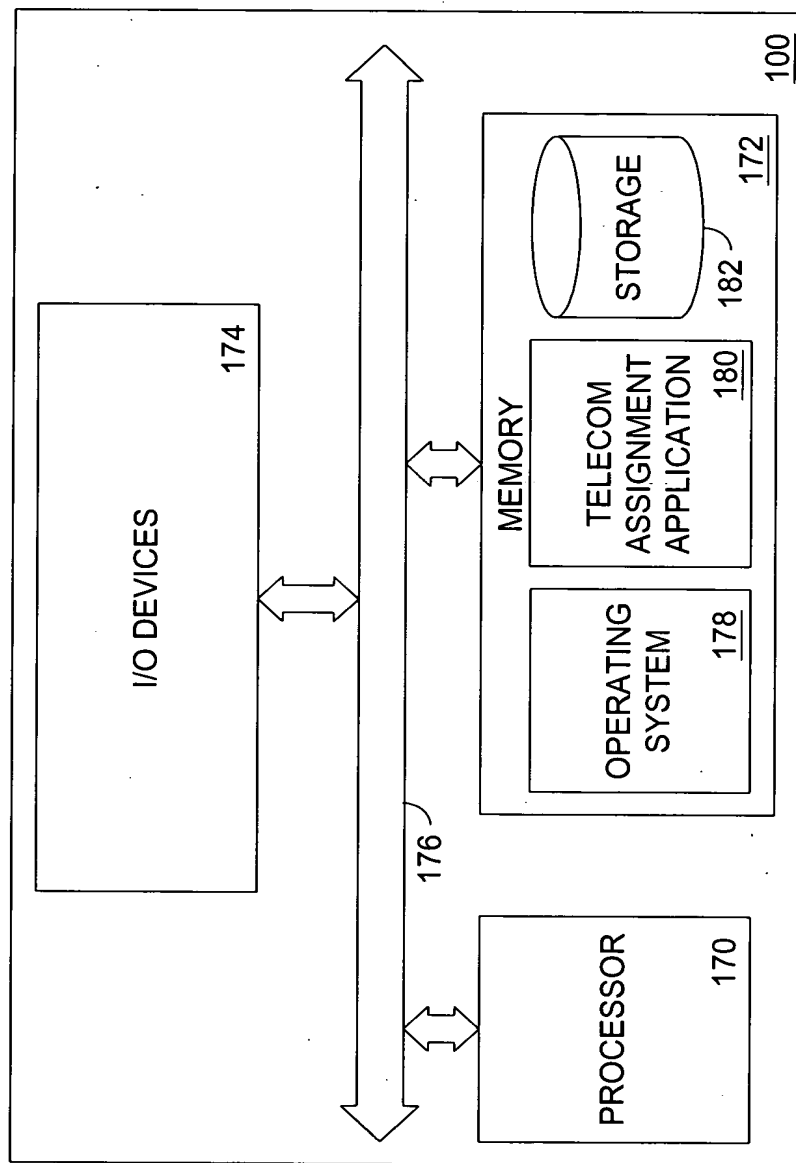


**FIG. 1A**



**FIG. 1B**

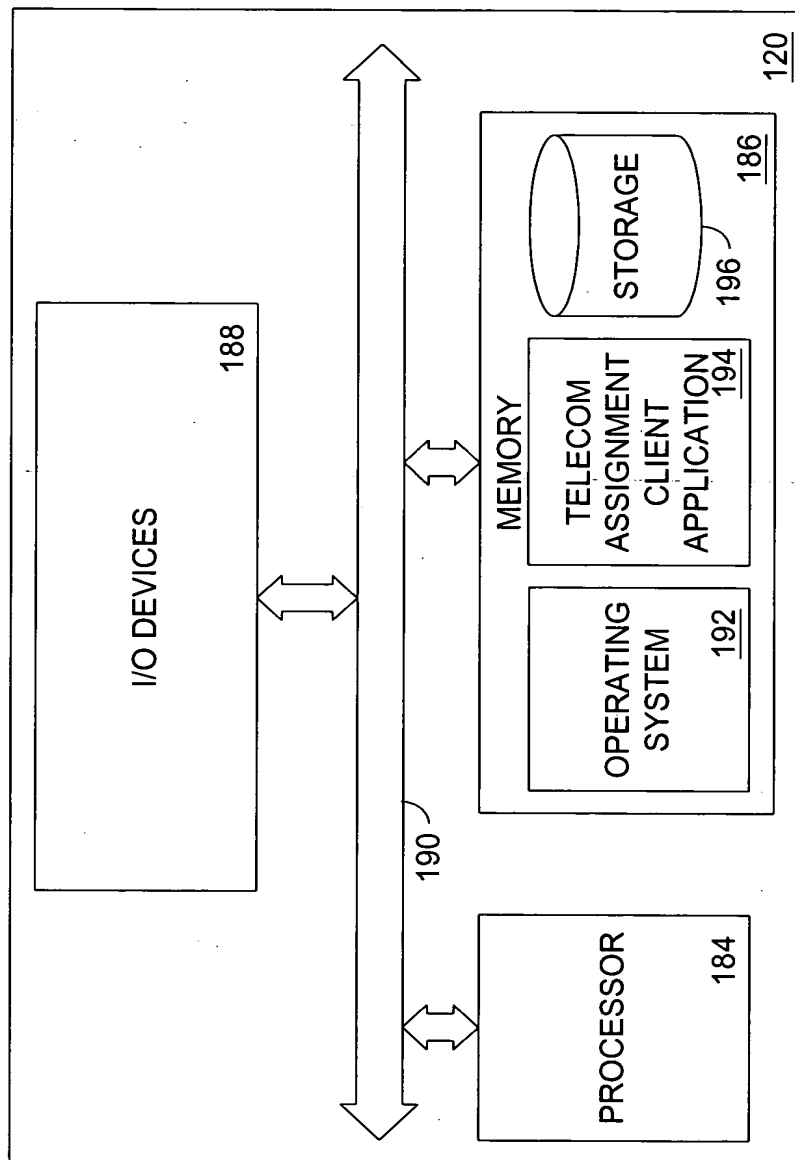


FIG. 1C

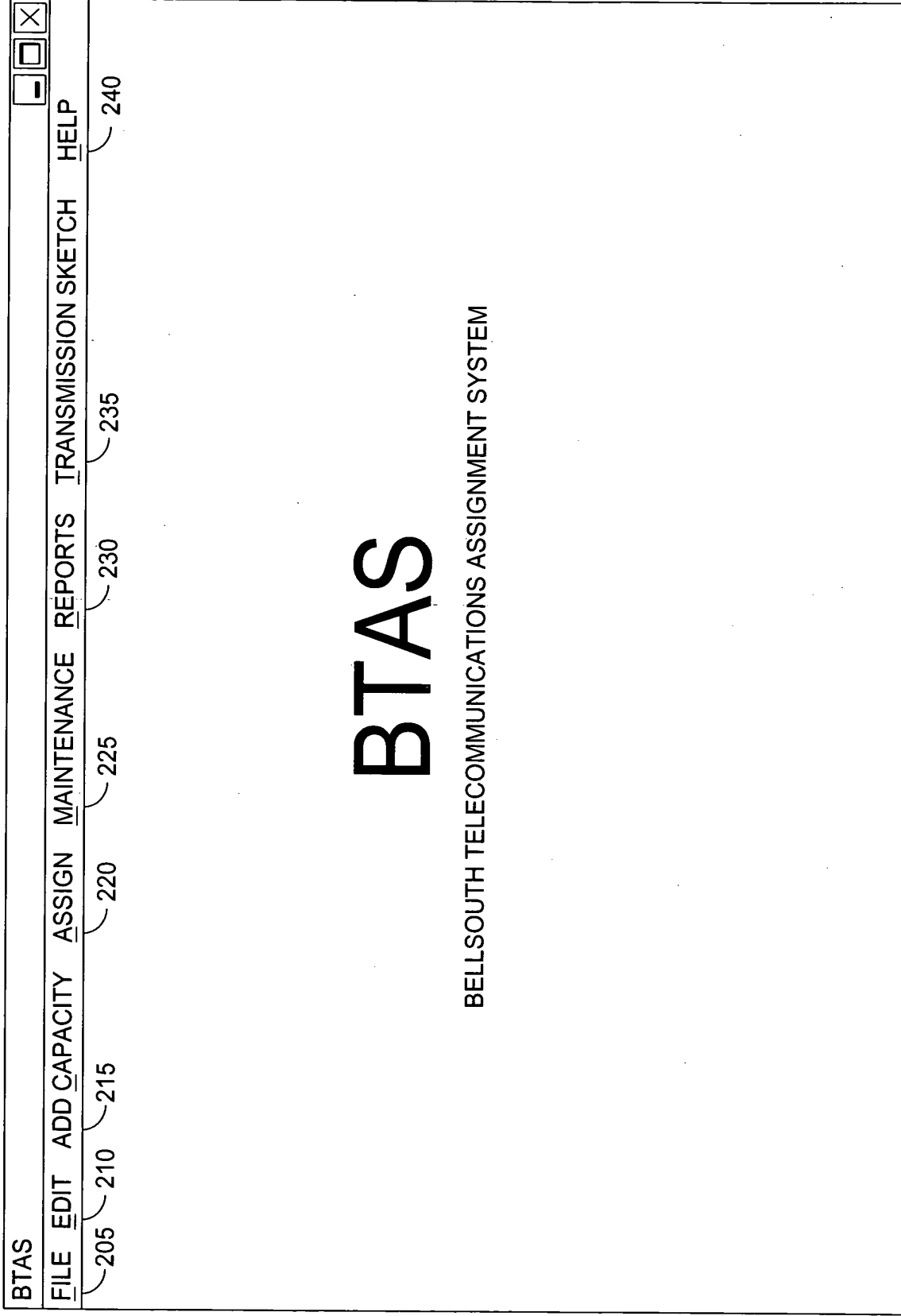
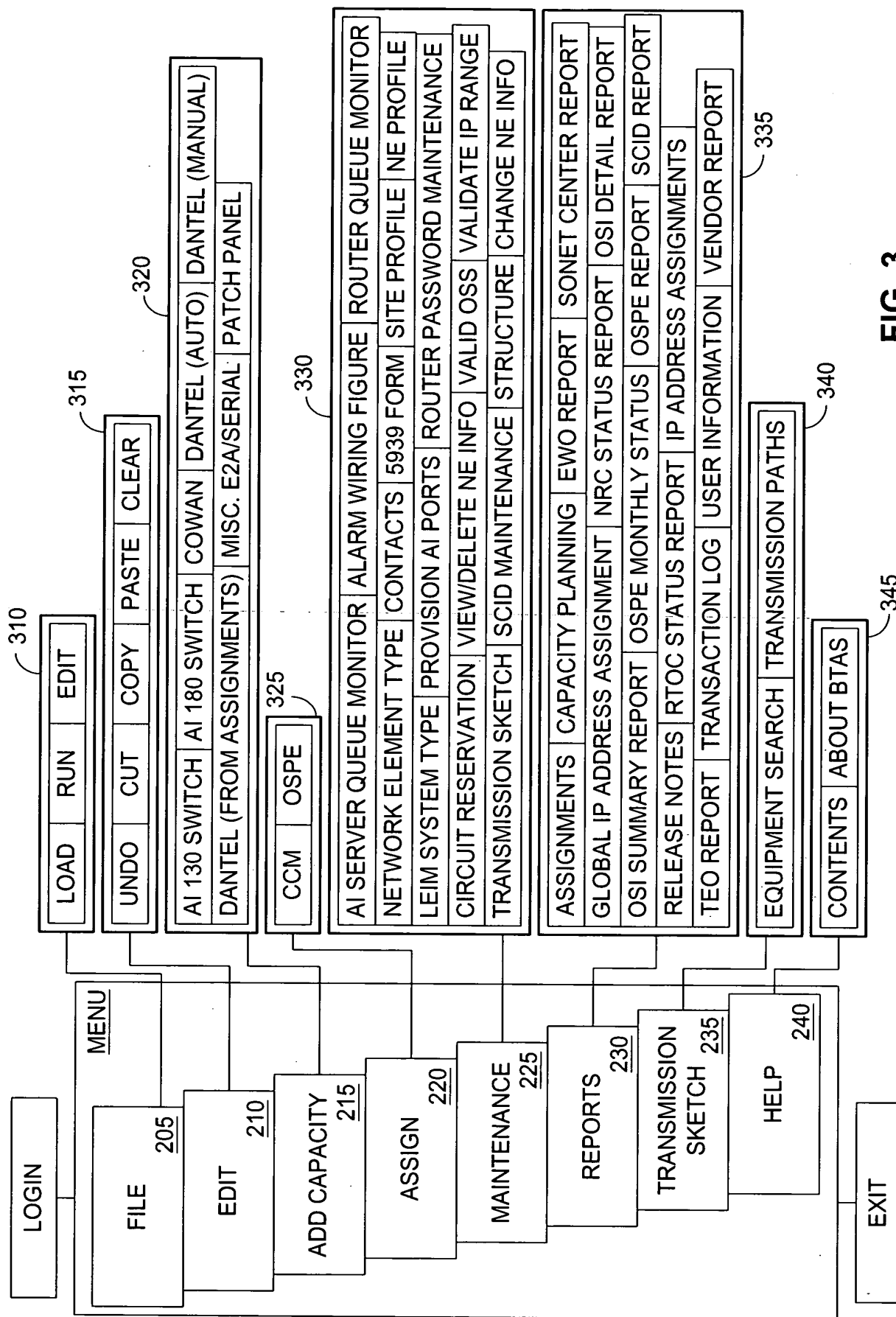


FIG. 2



**FIG. 3**

NETWORK ELEMENT PROFILE										
NE TYPE: DDM2000(OC3) ▾		SOFTWARE: ▾		LAST UPDATED: 430 USER PNKDYXM						
15.1.1 <b>15.1.2T</b> 15.1.2X ▾		420				DATE SEP 10, 2001				
<b>PHYSICAL LAYER:</b> SYNC LINKS 0 LINK MECHANICAL [ ] DTE ELECTRICAL [ ] BAUD 10MB			<b>LINK LAYER:</b> REPLY TIMEOUT 0 FRAME LENGTH 0 TRANSMIT RETRIES 0 OUTSTANDING FRAMES 0 DISCONNECT			<b>NETWORK LAYER:</b> PACKET SIZE 0 WINDOW SIZE 0 TOTAL LCN(s) 0 425			PROTOCOL TL1	
<input type="button" value="VIEW"/> <input type="button" value="EDIT"/> <input type="button" value="ADD"/> <input type="button" value="SAVE"/> <input type="button" value="SAVE AS"/> <input type="button" value="←"/> <input type="button" value="→"/> <input type="button" value="REPORT"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/> <input type="button" value="EXIT"/>										
ATM		NOTES		PATCH PANEL INFORMATION		TELEMETRY TYPE		ASYNC		
SETTINGS		X.25		DISCRETE		TBOS		ETHERNET		
IP ADDRESS		IP ADDRESS		IP ADDRESS		IP ADDRESS		IP ADDRESS		
1 NE PORT OSS SOURCE USER NAME MODIFICATION DATE ALL ROUTER PNKDYXM 08/28/2001										
435 <input type="button" value="ADD"/> <input type="button" value="EDIT"/> <input type="button" value="SAVE"/> <input type="button" value="DELETE"/>										

**FIG. 4**

SITE INFORMATION SCREEN							
<b>SEARCH INFO:</b>  ENTITY: GA ▾  COMPONENT: ▾  CENTRAL OFFICE: ▾		<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">             SITE CONTACT              FIND CLLI              NEW CO/SP           </div> 500		<div style="float: right; text-align: right;">             LAST UPDATED:              NAME: PNKDYXM              DATE: 10/29/2001           </div>			
		<input type="button" value="VIEW"/> <input type="button" value="EDIT"/> <input type="button" value="ADD"/> <input type="button" value="SAVE"/> <input type="button" value="REPORT"/>		<input type="button" value("&lt;&lt;")"=""/> <input type="button" value("&lt;")"=""/> <input type="button" value("&gt;")"=""/> <input type="button" value("&gt;&gt;")"=""/>		<input type="button" value="CLEAR"/> <input type="button" value="DELETE"/> <input type="button" value="EXIT"/>	
<b>LOCATION AND AREA INFO</b>							
LOCATION: CO ▾		CLLI: ATLNAGCS		AREA NUMBER: F1145			
ADDRESS 70 COURTLAND ST NE							
CITY ATLANTA		STATE GA		ZIP CODE 30303			
CO CLLI: ATLNAGCS		CO AREA: F1145		CO NAME: COURTLAND ST			
<b>STRUCTURE AWF</b>							
POWER: ATLNAGCS ▾		FEED: ATLNAGCS ▾		SERVICE AWF			
STDBY ENG <input type="checkbox"/>		STRUCTURE: ATLNAGCS ▾					
DEFAULT AWF: ATLNAGCS		<input type="button" value="RETRIEVE AWF"/>					
		<input type="button" value="ADD AWF"/>		<input type="button" value="REMOVE AWF"/>			
<b>TELEMETRY</b>							
X.25 NODE TYPE: HUB ▾		AI SWITCH SITE: ATLNAGCS		DK HUB SITE: ATLNAGCS			
MEDIA: CONKLIN ▾		MEDIA CLLI: ATLNAGCSD02		MEDIA FLOOR BAY/RR: 03 / 404.04			

**FIG. 5**

AI 180 SWITCH CONFIGURATION

ENTITY

LA

COMPONENT

LA

CENTRAL OFFICE:

NWORLAMA

NEW LOC

X.121 ADDRESS

AREA CODE	MM	BEGIN	END	FL	RR	UN	ADMIN CKTLD	TRUNK CKTLD	RS232	RS530	296	X.121
601	053	0100	0355	03	319.22	1	DIRECT CABL	DIRECT CABL	91	0	0	94
601	053	0360	0615	03	319.24	2	DIRECT CABL	DIRECT CABL	64	94	0	75
601	053	3300	3555	03	319.26	3	DIRECT CABL	DIRECT CABL	86	0	100	73
601	053	4200	4455	03	319.23	4	DIRECT CABL	DIRECT CABL	100	0	100	88
601	053	6300	6555	03	320.23	5	DIRECT CABL	DIRECT CABL	0	0	17	21

615

625

630

635

640

645

620

FIG. 6



AI 180 SWITCH SHELF FLOOR: 03 RACK/BAY: 319.26

PROCESSOR

198

198

194

2961

196 IRG 16X232

196 IRG 16X232

196 IRG 16X232

196 IRCV4

2524 ROUTER

A

B

1

2

3

4

5

6

7

8

715

710

ESTIMATED SCV DATE

12/06/1996

730

735

PLUG STATUS

NEW ☒

EXISTS ☐

740

5939 FORM

745

SWITCH INFO

750

OSI INFO

755

OKAY

760

CANCEL

765

PRINT

720

PLUG

NEW

196 IR8

196 IRCV4

196 IRG 16X232

198

2524 ROUTER

2961

0

1

0

0

0

1

FIG. 7

AI 180 SWITCH SHELF FLOOR: 03 RACK/BAY: 319.26

PROCESSOR

COMMON PLUG-INS

196 16X232S/A

193 ES

193 FT

196 IEG 16X530

196 IRG 16X232

196 IR8

196 4X232/1XV35

196 IRCV4

2524 ROUTER

193 TX

OVERWRITE

OKAY

CANCEL

ESTIMATED SCV DATE

12/06/1996

PLUG STATUS

NEW ☒

EXISTS ☐

5939 FORM

SWITCH INFO

OSI INFO

OKAY

CANCEL

196 I R G 1 6 X 2 3 2

196 I R G 1 6 X 2 3 2

196 I R G 1 6 X 2 3 2

196 I R G 1 6 X 2 3 2

196 I R G 1 6 X 2 3 2

196 I R C V 4

196 I R C V 4

196 IRG 16X232

2524 ROUTER

NEW

0

1

0

0

0

1

SELECT A PLUG

196 IRCV4

196 IRG 16X232

198

2524 ROUTER

2961

PRINT

800

FIG. 8

COWAN

LOCATION:

ENTITY: GA

COMPONENT: GA

CLLI: ATNGACS

ROUTERS:

NE TYPE	SOFTWARE	FLOOR	BAY/RR	UNIT	ADMIN CIRCUIT ID
2621	13.3.4	09	209.09	09	
2621	N/A	01	123.69	2	
3662	N/A	02	204.03	22	
3662	N/A	03	305.05	3	
3662	N/A	44	444.44	44	
2611	N/A	55	555.55	55	
3662 EXP	13.2	09	999.99	99	

DISPLAY

ROUTER INFO

HUB INFO

IP ADDRESS

5939 FORM

ADD

EDIT

DELETE

CLEAR

FIG. 9

ROUTER CONFIGURATION

ROUTER INFO

CLLI: ATLGACS

FLOOR: 44

NE TYPE: 3662

BAY/RR: 444.44

EST SVC DATE 2/8/2002

UNIT: 44

PRINT

PATCH PANEL

SAVE

SLOT INFORMATION

SLOT 6

EST. SVC DATE 2/8/2002

TEO

SLOT 4

EST. SVC DATE 2/6/2002

TEO

SLOT 2

EST. SVC DATE 6/1/2001

TEO

ROUTER SLOTS

EMPTY

8A/S

32A

DS3

8A/S

NM-16ESW

SLOT INFORMATION

SLOT 5

EST. SVC DATE 1/1/1900

TEO

SLOT 3

EST. SVC DATE 12/1/2001

TEO

SLOT 1

EST. SVC DATE 2/8/2002

TEST 44

1000

FIG. 10

HUB INFO			
CLI	NE TYPE	GENERIC	LOCATION
3662	32A - 4/4/2003	31	0
N/A	8A/S - 10/31/2001	32	AUX
01 102.07 1	WO - 2FE2W - 6/20/2003		DS3 - 6/20/2002
86.212.8.1	86.212.9.201		WO - 2FE2W - 6/20/2003
6/20/2000	86.100.36.202		
CONS			
1			
86.212.8.203			
66.212.8.202			
CONS			
1			
86.212.8.201			
66.212.8.202			
CONS			
1			
86.212.8.203			
66.212.8.202			
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1			
86.212.8.203			
66.212.8.202			
CONS			

**FIG. 11**

NETWORK ELEMENT TELEMETRY ASSIGNMENT											
<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">MODE</div> <div style="border: 1px solid black; padding: 2px;">GA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">ENTITY</div> <div style="border: 1px solid black; padding: 2px;">GA</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">COMPONENT</div> <div style="border: 1px solid black; padding: 2px;">GA</div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>1210</span> <span>1215</span> <span>1220</span> </div>		<div style="border: 1px solid black; padding: 2px;">EXEC</div> <div style="display: flex; justify-content: space-around; margin-top: 2px;"> <div style="border: 1px solid black; padding: 2px;">↑</div> <div style="border: 1px solid black; padding: 2px;">↓</div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">EQUIPMENT</div> <div style="border: 1px solid black; padding: 2px;">MUX</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">NE CLASS</div> <div style="border: 1px solid black; padding: 2px;">LUCENT TECH</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">VENDOR</div> <div style="border: 1px solid black; padding: 2px;">DDM2000(OC3)</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">EQUIPMENT NAME</div> <div style="border: 1px solid black; padding: 2px;">SOFTWARE</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">SOFTWARE VERSION</div> <div style="border: 1px solid black; padding: 2px;">6.2.3</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">FIND CLLI</div> </div> </div>				<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">NETWORK ELEMENT</div> <div style="border: 1px solid black; padding: 2px;">RELAY RACK</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">NO. OF SHELVES</div> <div style="border: 1px solid black; padding: 2px;">BLACK BOX</div> </div> </div>		<div style="border: 1px solid black; padding: 2px;">CONTINUITY TEST</div> <div style="border: 1px solid black; padding: 2px;">TESTER:</div> <div style="border: 1px solid black; padding: 2px;">DATE:</div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">SET/UNSET</div>	
<div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px;">NEW SITE</div> <div style="border: 1px solid black; padding: 2px;">NE INFO</div> <div style="border: 1px solid black; padding: 2px;">PATCH PANEL</div> <div style="border: 1px solid black; padding: 2px;">OSI</div> <div style="border: 1px solid black; padding: 2px;">5939</div> <div style="border: 1px solid black; padding: 2px;">TELEMETRY</div> <div style="border: 1px solid black; padding: 2px;">AUTO ASSIGN</div> <div style="border: 1px solid black; padding: 2px;">EXIT</div> </div> </div>											
<div style="border: 1px solid black; padding: 2px;">LOCATION</div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <div style="border: 1px solid black; padding: 2px;">LOC.</div> <div style="border: 1px solid black; padding: 2px;">CO</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">FLOOR</div> <div style="border: 1px solid black; padding: 2px;">03</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">BAY/RR</div> <div style="border: 1px solid black; padding: 2px;">364.01A</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">UNIT</div> <div style="border: 1px solid black; padding: 2px;">1</div> </div> </div>				<div style="border: 1px solid black; padding: 2px;">JOB INFORMATION:</div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <div style="border: 1px solid black; padding: 2px;">CO TEO</div> <div style="border: 1px solid black; padding: 2px;">FB284500</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">ESTSVCDATE</div> <div style="border: 1px solid black; padding: 2px;">03</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">NOTE</div> <div style="border: 1px solid black; padding: 2px;">ADDED SNC ADDRESS</div> </div> </div>							
<div style="border: 1px solid black; padding: 2px;">SONET</div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <div style="border: 1px solid black; padding: 2px;">MORE SCIDS</div> <div style="border: 1px solid black; padding: 2px;">FB284500</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">SYSTEM NO.</div> <div style="border: 1px solid black; padding: 2px;">FB284500</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TID</div> <div style="border: 1px solid black; padding: 2px;">ATLNGACSDM2032000</div> </div> </div>				<div style="border: 1px solid black; padding: 2px;">SONET</div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <div style="border: 1px solid black; padding: 2px;">PRI. SCID</div> <div style="border: 1px solid black; padding: 2px;">FB284500</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">SYSTEM NO.</div> <div style="border: 1px solid black; padding: 2px;">FB284500</div> </div> <div> <div style="border: 1px solid black; padding: 2px;">TID</div> <div style="border: 1px solid black; padding: 2px;">ATLNGACSDM2032000</div> </div> </div>							

**FIG. 12**

ROUTER ASSIGNMENT

NETWORK ELEMENT

CLLI: ATLNGACSH02

FI BAY/RR UNIT: 02 201.138 2

NE TYPE: FT2000

SOFTWARE: 7.2.10

AVAILABLE ROUTERS:

TYPE	FLOOR	BAY/RR	UNIT	EST SVC DATE
3662*	02	204.03	22	08/15/2002
3662	03	305.05	3	01/31/2003
3662 EXP	09	999.99	9	02/02/2006

REQUIREMENTS:

PORT

1

TYPE

SYNC

ROUTER:

ROUTER	E0	E1	STATUS													
0			<input checked="" type="checkbox"/> RMA													
6	8A/S - 08/15/2003		EMPTY SLOT													
	0	1	2	3	4	5	6	7								
4	8A/S - 08/15/2002		8A/S - 09/24/2002													
	0	1	2	3	4	5	6	7								
2	32A - 08/15/2002		NM-16ESW - 08/15/2003													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

☒ = ASSIGNED
 ☐ = AVAILABLE
 ☒ = PENDING
 ☒ = RMA

NE IS ASSIGNED

HELP

**FIG. 13**

HUB ASSIGNMENT

NETWORK ELEMENT

CLLI: ATLGACS

FI BAY/RR UNIT: 04 451.01C 1

NE TYPE: FLM-2400

SOFTWARE: 15.2.6T

AVAILABLE HUBS:

TYPE	FLOOR	BAY/RR	UNIT	EST SVC DATE
1924	02	204.03	3	08/15/2002
1924	04	166.21	5	07/31/2003
1924 *	04	433.07	1	11/04/2000

IP ADDRESS

PORT 1

OSS ALL

SWITCH:

0

X

X

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

X

X

B

X

☒ = ASSIGNED

☐ = AVAILABLE

☒ = PENDING

☐ = RMA

REPORT

HUB ONLY HAS 10 MEG PORTS

HELP

1405

1410

1415

FIG. 14

1400



PATCH PANEL ASSIGNMENT

NETWORK ELEMENT

CLLI: ATLNGACS

FI BAY/RR UNIT: 04 451.01C 1

NE TYPE: FLM-2400

SOFTWARE: 15.2.6T

AVAILABLE PATCH PANELS:

CLLI	FLOOR/BAY/RR	PANEL	TYPE	EFFECTIVE DATE
ATLNGACS	02.204.03	1	RJ45	10/24/2000
ATLNGACS	04.166.21	2	RJ45	10/24/2000
ATLNGACS	04.433.07	4	RJ45	09/11/2001

IP ADDRESS

NAME	TYPE	PORT
TELEMETRY	SYNC	1

PATCH PANEL:

0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	B	X
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---

☒ = ASSIGNED

☐ = AVAILABLE

☐ = PENDING

REPORT

NE HAS ALREADY BEEN ASSIGNED TO A PATCH PANEL

HELP

**FIG. 15**